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\* 총 41 건 (최우수 7, 우수 34)

○ 최우수상 수상

**P1-ap.104\***

**Gate-Tunable 2D Memristor Devices Based on Monolithically-Integrated Vertical**

**Heterojunctions** / HUH Woong<sup>1</sup>, JANG Seong-Hun<sup>1</sup>, LEE Jae Yoon<sup>1</sup>, JEONG Hu Young<sup>2</sup>, WANG Gunuk<sup>\*1</sup>, LEE Chul-Ho<sup>\*1</sup> (<sup>1</sup>KU-KIST Graduate School of Converging Science and Technology, Korea University, <sup>2</sup>Ulsan National Institute of Science and Technology, UNIST)

**P1-se.019\***

**Tow dimensional MoS<sub>2</sub>-WSe<sub>2</sub> heterojunction combined with PbS quantum dot for high performance photodetector** / LEE Hyosun, KIM Juyoung, HWANG Do Kyung\* (Center for Opto-Electronic Materials and Devices, Post-Silicon Semiconductor Institute, Korea Institute of Science and Technology (KIST))

**P1-st.023\***

**Spontaneous alignment of confined lyotropic chromonic liquid crystals and effects of dopants on the alignment direction** / LEE Hyesong, JEONG Joonwoo\* (Department of Physics, UNIST)

**P2-bp.032\***

**A model study of neuronal excitability-dependent memory allocation in a feedforward neural network with spike-timing-dependent-plasticity** / PARK Youngjin<sup>1</sup>, PAIK Se-Bum<sup>\*1, 2</sup> (<sup>1</sup>Department of Bio and Brain Engineering, KAIST, <sup>2</sup>Program of Brain and Cognitive Engineering, KAIST)

**P2-co.309\***

**Electronic Transition Properties in Ca-Doped BiFeO<sub>3</sub> with Oxygen Vacancy: A First-Principles Study** / LEE Joungee, NAHM Ho-Hyun, KIM Yong-Hyun\* (Graduate School of Nanoscience and Technology, KAIST, )

**P2-op.002\***

**효율적인 THz 펄스 검출을 위한 다양한 광전도 안테나 구조 연구 Study on photoconductive antenna structures for efficient THz pulse detection** / 김원태<sup>1</sup>, 강봉주<sup>1</sup>, Truong Khang Nguyen<sup>2</sup>, 박현상<sup>3</sup>, 김강호<sup>2</sup>, 이재진<sup>2</sup>, 박익모<sup>2</sup>, 전태인<sup>3</sup>, 이상민<sup>\*1</sup> (<sup>1</sup> 한국과학기술원 물리학과, <sup>2</sup> 아주대학교 전자공학과, <sup>3</sup> 한국해양대학교 전기전자과)

**P2-pa.028\***

**Studies of a frequency tuning system in CAPP's axion search experiment** / KIM Jinsu<sup>1, 2</sup>, KWON Ohjoon<sup>2</sup>, LEE Soohyung<sup>2</sup>, LEE Doyu<sup>2</sup>, CHUNG Woohyun<sup>2</sup>, SEMERTZIDIS Yannis K.<sup>2</sup>

(<sup>1</sup>Department of Physics Korea Advanced Institute of Science and Technology (KAIST), <sup>2</sup>Center for Axion and Precision Physics Research (CAPP) at Institute of Basic Science (IBS))

○ 우수상 수상

**P1-ap.108\***

**Van-der-Waals-gap tunneling spectroscopy for 2D transition metal dichalcogenides** / CHOI DongHwan<sup>1, 2</sup>, KIM Woosin<sup>1</sup>, BAE MyungHo<sup>2</sup>, KIM JuJin<sup>\*1</sup>

(<sup>1</sup>Department of Physics, Chonbuk national university, <sup>2</sup>Korea Research Institute of Standards and Science)

**P1-ap.110\***

**Raman measurements depending on stacking order in 2D Gallium Selenide** / LIM Soo Yeon<sup>1</sup>,

LEE Jae-Ung<sup>1</sup>, CHEONG Hyeonsik<sup>\*1</sup>, KIM Jung Hwa<sup>2</sup>, LEE Zonghoon<sup>2</sup>, NGUYEN Thi Thanh Huong<sup>3</sup>, CHO Sunglae<sup>3</sup> (<sup>1</sup>Department of Physics, Sogang University, <sup>2</sup>Department of Materials science and engineering, UNIST, <sup>3</sup>Department of Physics and Energy Harvest Storage Research Center, University of Ulsan)

**P1-ap.134\***

**Conductivity Overturning in Si QDs/Silicon Oxynitride Superlattices by Hydrogen Passivation**

/ 안한열, 한문섭\*, 구민선, 주범수, 정남식, 박영주 (서울시립대학교 물리학과)

**P1-ap.150\***

**Shape-Dependent Thermal Rectification Device Using Vanadium Dioxide Thin Film** / KIM Isae,

KANG Manil, KIM SokWon\* (Department of Physics, University of Ulsan)

**P1-at.005\***

**Progress in a large <sup>87</sup>Rb BEC machine for investigating the universality of vortex shedding dynamics** / LIM Younghoon<sup>1, 2</sup>, GOO Junhong<sup>2</sup>, SHIN Yong-il<sup>\*1, 2</sup>

(<sup>1</sup>Center for Correlated Electron Systems, Institute for Basic Science (IBS), <sup>2</sup>Department of Physics and Astronomy, Seoul National University (SNU))

**P1-co.103\***

**Temperature-dependent optical properties of Sr<sub>2</sub>VO<sub>3</sub>FeAs** / LEE Seokbae<sup>1</sup>, OK Jongmok<sup>2</sup>, SEO

Yu-Seong<sup>1</sup>, ROH Seulki<sup>1</sup>, LEE Myoungsoon<sup>1</sup>, JUNG Eilho<sup>1</sup>, KIM Junsung<sup>2</sup>, HWANG Jungseek<sup>\*1</sup>

(<sup>1</sup>Department of Physics, Sungkyunkwan University, <sup>2</sup>Department of Physics, Pohang University of Science and Technology)

**P1-co.206\***

**Observation of Unusual Solid-state Phase Transition in Flexible Vanadium Dioxide Thin films via Interfacial Strain Engineering** / SOHN Min Kyun, KANG Dae Joon\* (Department of Physics, Sungkyunkwan University)

**P1-co.216\***

**Anomalous sign difference between Hall and Seebeck coefficients and polaronic transport in topological crystalline insulator  $Pb_{1-x}Sn_xTe$**  / KIM Ga Reoung, RHYEE Jong-Soo\* (Department of Physics, Kyung hee University)

**P1-co.305\***

**Temperature-dependent terahertz emission from topological insulator  $Bi_{1.5}Sb_{0.5}Te_{1.7}Se_{1.3}$**  / PARK Soon Hee<sup>1</sup>, HAMH Sun Young<sup>1</sup>, PARK Joonbum<sup>2</sup>, KIM Jun Sung<sup>3</sup>, LEE Jong Seok<sup>\*1</sup>  
(<sup>1</sup>Department of Physics and Photon Science Gwangju Institute of Science and Technology, <sup>2</sup>Max Planck Institute for Chemical Physics of Solids, <sup>3</sup>Department of Physics Pohang University of Science and Technology)

**P1-co.406\***

**Unconventional topological phase transition in two-dimensional systems with space-time inversion symmetry** / AHN Junyeong<sup>1, 2, 3</sup>, YANG Bohm-Jung<sup>\*1, 2, 3</sup> (<sup>1</sup>Department of Physics and Astronomy, Seoul National University, <sup>2</sup>Center for Correlated Electron Systems, Institute for Basic Science (IBS), <sup>3</sup>Center for Theoretical Physics (CTP), Seoul National University)

**P1-nu.002\***

**Searching for the evidence of the  $\alpha$ -cluster structure in radionuclide  $^{22}Mg$**  / 차수미<sup>1</sup>, 채경욱<sup>\*1</sup>, ABE K.<sup>2</sup>, BAE S.H.<sup>3</sup>, BINH D.N.<sup>4</sup>, CHOI S.H.<sup>3</sup>, DUY N.N.<sup>5</sup>, HAHN K.I.<sup>6</sup>, HAYAKAWA S.<sup>2</sup>, HONG B.<sup>7</sup>, IWASA N.<sup>8</sup>, KAHL D.<sup>9</sup>, KHIEM L.H.<sup>10, 11</sup>, KIM A.<sup>12</sup>, KIM D.H.<sup>12</sup>, KIM E.J.<sup>13</sup>, KIM G.W.<sup>12</sup>, KIM M.J.<sup>1</sup>, KWAG K.<sup>14</sup>, KWAG M.S.<sup>1</sup>, LEE E.J.<sup>1</sup>, LIM S.I.<sup>12</sup>, MOON B.<sup>7</sup>, MOON J.Y.<sup>15</sup>, PARK S.Y.<sup>12</sup>, PHONG V.H.<sup>16</sup>, SHIMIZU H.<sup>2</sup>, YAMAGUCHI H.<sup>2</sup>, YANG L.<sup>2</sup>, ZHUANG G.<sup>16</sup> (<sup>1</sup>Department of Physics, Sungkyunkwan University, <sup>2</sup>Center for Nuclear Study, the University of Tokyo, <sup>3</sup>Department of Physics and Astronomy, Seoul National University, <sup>4</sup>30 MeV Cyclotron Center, Tran Hung Dao Hospital, <sup>5</sup>Dong Nai University, <sup>6</sup>Department of Science Education, Ewha Womans University, <sup>7</sup>Department of Physics, Korea University, <sup>8</sup>Department of Physics, Tohoku University, <sup>9</sup>School of Physics and Astronomy, University of Edinburgh, <sup>10</sup>Institute of Physics, Vietnam Academy of Science and Technology, <sup>11</sup>Graduate University, Vietnam Academy of Science and Technology, <sup>12</sup>Department of Physics, Ewha Womans University, <sup>13</sup>Division of Science Education, Chonbuk National University, <sup>14</sup>Department of Physics, School of Natural Science, Ulsan National Institute of Science and Technology, <sup>15</sup>Institute for Basic Science, <sup>16</sup>RIKEN Nishina Center)

**P1-pl.001\***

**Estimation of the Kubo number of stochastic magnetic fields in BOUT++ edge pedestal collapse simulations** / KIM Jaewook<sup>1</sup>, LEE Wonjun<sup>1</sup>, JHANG Hogun<sup>2</sup>, KAANG H.H.<sup>2</sup>, GHIM Y.-c.<sup>\*1</sup>  
(<sup>1</sup>Department of Nuclear and Quantum Engineering, KAIST, <sup>2</sup>National Fusion Research Institute)

**P1-se.013\***

**Strain evolution in two-step grown GaAs/AlGaAs multiple quantum well structures: Raman scattering study** / 이태건<sup>1</sup>, 노희석<sup>\*1</sup>, 송진동<sup>2</sup>, 최원준<sup>2</sup> (<sup>1</sup>전북대학교 물리학과, <sup>2</sup>한국과학기술연구원 광전자소재연구단)

**P1-se.023\***

**Strong polarization anisotropy of coherent phonons in black phosphorus** / 박정재, 이기주\*, 정태영 (충남대학교 물리학과)

**P1-st.018\***

**Unifying framework of mobility models by population landscape** / HONG Inho<sup>1</sup>, JUNG Woo-Sung<sup>1, 2, 3</sup>, JO Hang-Hyun<sup>\*1, 4</sup> (<sup>1</sup>Department of Physics, POSTECH, <sup>2</sup>Department of Industrial and Management Engineering, POSTECH, <sup>3</sup>Asia Pacific Center for Theoretical Physics, <sup>4</sup>Department of Computer Science, Aalto University School of Science)

**P2-ap.107\***

**Temperature-dependent unsystematic band gap shift of Hybrid Organic-Inorganic Perovskite (HOIP) Photovoltaic Materials** / PARK Sangheon<sup>1</sup>, SEO Yu-Seong<sup>1</sup>, AHN Chang Won<sup>2</sup>, WOO Won Seok<sup>2</sup>, KYHM Jihoon<sup>3</sup>, KYHM Kwangseuk<sup>4</sup>, KIM Ill Won<sup>2</sup>, HWANG Jungseek<sup>\*1</sup> (<sup>1</sup>Department of Physics, Sungkyunkwan University, <sup>2</sup>Department of Physics & EHSRC, University of Ulsan, <sup>3</sup>Quantum functional semiconductor research center, Dongguk university, <sup>4</sup>Department of Physics Education, Pusan National University)

**P2-ap.122\***

**Thermal transport measurement in thin films and their boundaries by using time-domain thermoreflectance (TDTR) method** / CHOI Young Gwan<sup>1</sup>, ZHUNG Chan June<sup>1</sup>, WOO Sung Min<sup>2</sup>, CHOI Woo Seok<sup>2</sup>, LEE Jong Seok<sup>\*1</sup> (<sup>1</sup>Department of Physics and Photon Science, Gwangju Institute of Science and Technology, <sup>2</sup>Department of Physics, Sungkyunkwan University)

**P2-ap.209\***

**Electrical Transport Characteristics of Self-Assembled Monolayers Formed by Benzethiol, Cyclohexanethiol, and Adamantanethiol** / 김 준우<sup>1</sup>, 정 현학<sup>1</sup>, 성 시천<sup>2</sup>, 김 동구<sup>1</sup>, 황 왕택<sup>1</sup>, 장 연식<sup>1</sup>, 최 유리<sup>1</sup>, 구 정민<sup>1</sup>, 노 재근<sup>\*2</sup>, 이 탁희<sup>\*1</sup> (<sup>1</sup>Department of Physics and Astronomy, Seoul National University, <sup>2</sup>Department of Chemistry, Hanyang University)

**P2-ap.214\***

**Study of charge transport mechanism of organic semiconductors based on crystallization properties of TIPS and TIPS / CNW organic layer** / 조성집, 임은주\* (단국대학교 창의융합제조공학과/과학교육학과)

**P2-ap.217\***

**Theoretical charge transport properties of pentacene with varying molecular orientation** / LEE Hyunchan, KIM Hyunggi, LEE Jiyeon, LEE Hyunbok\* (Department of Physics, Kangwon National University)

**P2-as.004\***

**The hit finding algorithm for UBAT telescope of UFFO** / LEONOV Vladimir, KIM Minbin, JEONG Soomin, JEONG Hyomin, LEE Jik, PARK I.H.\* (Department of Physics, Sungkyunkwan University)

**P2-bp.006\***

**Single molecule biophysical study of the transcription initiation dynamics in yeast mitochondria** / CHO Hayoon<sup>1</sup>, KIM Hajin<sup>1</sup>, BASU Urmimala<sup>2</sup>, PATEL smita S<sup>2</sup>, DESHPANDE Aishwarya<sup>2</sup> (<sup>1</sup>Department of Biomedical Engineering, Ulsan National Institute of Science and Technology (UNIST), <sup>2</sup>Department of Biochemistry and Molecular Biology, Rutgers University)

**P2-bp.024\***

**Axonal mRNA dynamics in live hippocampal neurons** / 이병훈<sup>1</sup>, 방석영<sup>2</sup>, 이승렬<sup>2</sup>, 전누리<sup>2</sup>, 박혜윤<sup>1</sup> (<sup>1</sup> 서울대학교 물리학과, <sup>2</sup>Institute of Advanced Machinery and Design, Div. of WCU (World Class University) Multi, Seoul Natl. Univ.)

**P2-co.106\***

**Magnon Study in Hexagonal LuMnO<sub>3</sub> System** / KIM Seung<sup>1</sup>, NAM Jiyeon<sup>1</sup>, JI Jeong-Eun<sup>1</sup>, WANG Xueyun<sup>2</sup>, CHEONG Sang-Wook<sup>2</sup>, YANG In-Sang<sup>1</sup> (<sup>1</sup>Department of Physics in Ewha womans University, <sup>2</sup>Rutgers Center for Emergent Materials and Department of Physics and Astronomy in Rutgers University)

**P2-co.107\***

**Microscopic study of ferrimagnetic Mn<sub>3</sub>Ga thin films deposited on MgO** / BANG Hyun-Woo<sup>1</sup>, YOO Woosuk<sup>1</sup>, KIM Chungman<sup>1</sup>, LEE Sunghun<sup>1</sup>, GU Jiyung<sup>2</sup>, JUNG Myung-Hwa<sup>1</sup> (<sup>1</sup>Department of Physics, Sogang University, <sup>2</sup>Department of Physics and Astronomy, California State University, Long Beach)

**P2-co.205\***

**Growth and characterization of high quality Pb(Zr,Ti)O<sub>3</sub> thick-films on a flexible metal**

**substrate** / LEE Tae Kwon, KIM Jae Woong, JUNG Jong Hoon\* (Department of Physics, Inha University)

**P2-co.308\***

**Grain growth model in ferroelectric ceramic system: Phase field simulations** / TRAN Viet Dung, SHIN Young-Han\* (Department of Physics, University of Ulsan)

**P2-co.401\***

**Spatial coherence measurement on femtosecond hard X-ray Free Electron Laser pulses at SACLA in single-shot** / CHO Dohyung<sup>1</sup>, YANG Jiseok<sup>1</sup>, NAM Daewoong<sup>1</sup>, KIM Sangsoo<sup>2</sup>, SONG Changyong<sup>\*1</sup> (<sup>1</sup>Dept. of Physics, POSTECH, <sup>2</sup>Pohang Accelerator Laboratory)

**P2-op.017\***

**An effective method for the fabrication of broadband wire grid polarizers using nanoimprint and selective deposition** / KIM Wonyoung, KIM Tae Young, KIM Minsuk, HWANG Sungmin, LEE Minbaek, HWANGBO Chang Kwon\* (Department of Physics, Inha University)

**P2-pa.007\***

**Study of Drell-Yan differential cross section with 2016 data** / PAI Dalmin\* (Department of Physics & Astronomy, Seoul National University)

**P2-pa.015\***

**Studies of GEM Detector as a Part of the Polarimeter for the Storage Ring Proton EDM Experiment** / JEONG Hoyong<sup>\*1, 2</sup>, PARK Seongtae<sup>2</sup>, WON Eunil<sup>1</sup>, SEMERTZIDIS Yannis K.<sup>2</sup> (<sup>1</sup>Department of Physics, Korea University, <sup>2</sup>Center for Axion and Precision Physics Research, Institute for Basic Science)

**P2-pl.033\***

**Simulation Studies for THz Coherent Transition Radiation by Self-Modulated Laser Wakefield Accelerated Electron Beams** / LEE Seungwoo, JIN Munsu, SUK Hyyong\* (Department of Physics and Photon Science, Gwangju Institute of Science and Technology (GIST))

**P2-pl.036\***

**Stripline & coaxial fast faraday cup 설계 및 제작** / 김찬미<sup>1,2</sup>, 우형주<sup>\*2</sup>, 김기동<sup>2</sup>, 정연세<sup>2</sup>, 권장원<sup>1,2</sup>, 김은산<sup>1</sup> (<sup>1</sup> 고려대학교 가속기학과, <sup>2</sup> 기초과학연구원 중이온가속기사업단)

**P2-te.009\***

**위상마이크를 이용한 음파의 위상측정기술개발** / 김소희, 주영규, 김영유, 이기원\* (공주대학교 물리학과)